

Learning to Fly: The Wright Brother's Adventure			
2007 Mathematics			
Learning Results: Parameters for Essential Instruction			
Maine Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
1902: Success at Last	ME	MA.6.A.4.b	Use decimals, fractions, and percentages to express relative quantities.
1902: Success at Last	ME	MA.6.A.4.c	Interpret relative quantities expressed as decimals, fractions, and percentages.
1903: Powered Flight	ME	MA.6.D.3.a	Use tables, formulas and graphs to analyze constant difference (additive) relationships.
1903: Powered Flight	ME	MA.6.D.3.b	Use tables, formulas, and graphs to analyze constant ratio (multiplicative) relationships.
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Grade 7			
Activity/Lesson	State	Standards	
1902: Success at Last	ME	MA.7.A.4.a	Use percents when comparing fractional parts of sets of unequal size.
1903: Powered Flight	ME	MA.7.A.1.a	Recognize rational numbers as quotients of integers with a non-zero denominator and recognize that rational numbers can be negative or positive.
1903: Powered Flight	ME	MA.7.B.1.b	Draw conclusions based on graphs and charts including tables, pictograms, bar graphs, line graphs, pie charts, stem and leaf plots, box and whiskers plots, and histograms.
1903: Powered Flight	ME	MA.7.D.3.a	Recognize directly proportional relationships by information in a table, graph, or formula.
1903: Powered Flight	ME	MA.7.D.3.b	Translate common directly proportional relationships into symbolic statements and graphs.
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Grade 8			
Activity/Lesson	State	Standards	
New Data	ME	MA.8.A.1.b	Convert between standard and scientific notation forms and compare the relative size of numbers including the interpretation of numbers as displayed on calculators and computers.

1902: Success at Last	ME	MA.8.B.1.a	Calculate measures using multiple attributes including speed (distance per time).
1902: Success at Last	ME	MA.8.B.1.b	Solve for an unknown component of a measure including finding time given average speed and distance.
1903: Powered Flight	ME	MA.8.B.1.a	Calculate measures using multiple attributes including speed (distance per time).
1903: Powered Flight	ME	MA.8.B.1.b	Solve for an unknown component of a measure including finding time given average speed and distance.
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Grades 9-12			
Activity/Lesson	State	Standards	
1903: Powered Flight	ME	MA.9-12.B.1.b	Represent an approximate measurement using appropriate numbers of significant figures.
1903: Powered Flight	ME	MA.9-12.B.1.c	Know that most measurements are approximations and explain why it is useful to take the mean of repeated measurements.